

. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

**PI 589256. *Malus domestica* Borkh.**

Montgomery. Collected 1891 in Unknown. Discovered in a cow pasture, Chittenango, New York, USA. Pedigree - Unknown. Comments:: Fruit: size mediu, 65mm; skin 80% red, striped; shape round- oblate; flesh soft, snow white; flavor acid; eating quality less than fair; harvest season mid to late August, 4 wks Delicious; storage life at -0.5C 15 days. Tree: medium yields; biennial. Early, no commercial value. R.D. Way, 1992.

The following were developed by S. Lyman. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

**PI 589257. *Malus domestica* Borkh.**

Pumpkin Sweet. Pedigree - seedling; recorded 1834. Comments:: Fruit: very large, 75-90 mm; skin light green, sometimes 10% orange stripe, scarfskin; shape round, ribbed; flesh firm, cream-colored, water core; flavor sweet; eating quality good; harvest season early October, with Delicious. Tree: productive; annual cropping; diploid (Proc. Amer. Soc. Hort.Sci. 50:45. 1947). Large, green, sweet. --R.D. Way, 1992.

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**PI 589258. *Malus ioensis* (Alph. Wood) Britton**

Collected in United States. Minnesota, Wisconsin to Nebraska and Kansas. Comments:: Flowers: single; 40 mm wide; light pink; blooms late. Fruit: 30 mm; green; round, flat; greasy; calyx depressed; calyx persistent. Tree: size small to medium; annual bearer. Twigs and underside of leaf pubescent. Leaves lobed dense foliage. Fruits drop as they ripen. Fruit small, green, greasy.

**PI 589259. *Malus x zumi* (Matsum.) Rehder**

Calocarpa. Pedigree - *M. manchuria* x *M. sieboldii*; introduced into US by Arnold Arboretum from seed sent from Japan in 1890 by William S. Bigelow. Comments:: Flowers: pink buds followed by white flowers; single; 30 mm. Fruit: 10 mm; bright red to orange; round; long stem; calyx deciduous; one of best for ornamental. Fruits: birds are fond of fruits; Tree: small; very productive; alternate bearer; some leaves lobed; early leaf maturity. Ornamental fruits in fall.

**PI 589260. *Malus x dawsoniana* Rehder**

Pedigree - *M. fusca* x *M. pumila*; originated in Arnold Arboretum 1881. Comments:: Flowers: single; large, 25-35 mm; white. Fruit: 25-40 mm; shape oblong; yellow-green, attractive autumn color. Tree: vigorous; annual bearer; bark on main branches scaly; twig surfaces pebbly; leaves reddish tinge. Oblong fruits.

**PI 589261. *Malus sieboldii* (Regel) Rehder**

AA852. Comments:: See GMAL 1007.

**PI 589262. *Malus halliana* Koehne**

Pedigree - Cultivated in Japan and China; introduced into US in 1863 from Japan by Dr. George R. Hall (1820-99). Comments:: Flowers: single; white. Fruit: 20 mm; yellow; round- oblate; calyx deciduous. Tree: very heavy cropping. Not highly ornamental.